

CLAIMS

1. A method of manufacturing an information recording medium having a water-based ink absorbing layer on a surface of a base material, the method including a procedure for forming the water-based ink absorbing layer, the procedure comprising the
5 steps of:

(1) coating the surface of the base material with a water-based ink absorbent containing a water-absorptive filler to form a coated layer;

(2) covering a surface of the coated layer with a cover material;

(3) irradiating the coated layer with active energy beam to cure the coated layer;

10 and

(4) removing the cover material from the coated layer.

2. A method of manufacturing an information recording medium having a water-based ink absorbing layer on a surface of a base material, the method including a procedure for forming the water-based ink absorbing layer, the procedure comprising the
15 steps of:

(1a) coating a surface of a cover material with a water-based ink absorbent containing a water-absorptive filler to form a coated layer;

(2a) covering a surface of the coated layer with the base material;

(3) irradiating the coated layer with active energy beam to cure the coated layer;

20 and

(4) removing the cover material from the coated layer.

3. An information recording medium having a base material and a water-based ink absorbing layer on a surface of the base material, the water-based ink absorbing layer being formed by a procedure, the procedure comprising the steps of:

25 (1) coating the surface of the base material with a water-based ink absorbent containing a water-absorptive filler to form a coated layer;

(2) covering a surface of the coated layer with a cover material;

(3) irradiating the coated layer with active energy beam to cure the coated layer;

and

(4) removing the cover material from the coated layer.

4. An information recording medium having a base material and a water-based ink absorbing layer on a surface of the base material, the water-based ink absorbing layer being formed by a procedure, the procedure comprising the steps of:

5 (1a) coating a surface of a cover material with a water-based ink absorbent containing a water-absorptive filler to form a coated layer;

(2a) covering a surface of the coated layer with the base material;

(3) irradiating the coated layer with active energy beam to cure the coated layer;

and

10 (4) removing the cover material from the coated layer.

5. An information recording medium having a base material and a water-based ink absorbing layer on a surface of the base material, the water-based ink absorbing layer being formed by a procedure, the procedure comprising the steps of:

15 (1) coating the surface of the base material with a water-based ink absorbent containing a water-absorptive filler to form a coated layer;

(2) covering a surface of the coated layer with a cover material;

(3) irradiating the coated layer with active energy beam to cure the coated layer;

and

(4a) not removing the cover material from the coated layer.

20 6. An information recording medium having a base material and a water-based ink absorbing layer on a surface of the base material, the water-based ink absorbing layer being formed by a procedure, the procedure comprising the steps of:

(1a) coating a surface of a cover material with a water-based ink absorbent containing a water-absorptive filler to form a coated layer;

25 (2a) covering a surface of the coated layer with the base material;

(3) irradiating the coated layer with active energy beam to cure the coated layer;

and

(4a) not removing the cover material from the coated layer.

7. An information recording medium having a base material and a water-based ink

absorbing layer containing a water-absorptive filler on a surface of the base material, wherein centerline average roughness (Ra) of the water-based ink absorbing layer is 0.25 μm or smaller, and glossiness of the water-based ink absorbing layer is 48% or higher.

8. The information recording medium according to claim 7, wherein the content of the water-absorptive filler is 5 to 50 wt% relative to the water-based ink absorbing layer.

9. The information recording medium according to any one of claims 3 to 8, wherein the water-absorptive filler is selected from the group consisting of silk, cellulose, collagen, starch, water-absorptive resin powder, silica, calcium carbonate and talc.